

Title (en)  
Calendar mechanism programme wheel

Title (de)  
Programmrädchen eines Datumsmechanismus

Title (fr)  
Roue de programme d'un mécanisme de calendrier

Publication  
**EP 2597537 A1 20130529 (FR)**

Application  
**EP 13155464 A 20110217**

Priority  
• EP 13155464 A 20110217  
• EP 11154842 A 20110217

Abstract (en)  
The device (100) has a day program wheel (13) driven by a clock movement and actuating a wheel train to display days of a month. A movable satellite (129) meshes in a gear plane for indexing from 29th to 30th day in February month. Another movable satellite (130) meshes in another gear plane for indexing from 30th to 31st day for months of less than 31 days. A third movable satellite (128) meshing in a third gear plane for indexing from 28th to 29th day in the February month for leap years is mounted on the day wheel, where a day indexing tooth system (13') meshes in a fourth gear plane. The day program wheel is arranged to perform complete rotation of every month, and a month program wheel (43) is arranged to perform a complete rotation of every year. An independent claim is also included for a perpetual calendar mechanism.

Abstract (fr)  
Mécanisme de calendrier comportant un dispositif à roue de programme (100) pour mécanisme de calendrier, la roue de programme (100) comportant: une roue de programme des quantités (13) effectuant un tour complet chaque mois, entraînée par un mouvement horloger et actionnant un rouage pour l'affichage des quantités (16-24), et une roue de programme des mois (43), effectuant un tour complet chaque année, qui sont montées coaxiales.

IPC 8 full level  
**G04B 19/253** (2006.01)

CPC (source: EP KR RU US)  
**G04B 19/24** (2013.01 - KR); **G04B 19/2536** (2013.01 - EP RU US)

Citation (applicant)  
• CH 680630 B5 19930415 - NARDIN ULYSSE SA [CH]  
• EP 1351104 A1 20031008 - NARDIN ULYSSE SA [CH]  
• FR 752359 A 19330920  
• US 2146981 A 19390214 - GABRIEL PAULIN JOSUA

Citation (search report)  
• [AD] US 2146981 A 19390214 - GABRIEL PAULIN JOSUA  
• [AD] FR 752359 A 19330920  
• [AD] CH 680630 B5 19930415 - NARDIN ULYSSE SA [CH]  
• [AD] EP 1351104 A1 20031008 - NARDIN ULYSSE SA [CH]  
• [A] EP 1666991 A1 20060607 - ETA SA MFT HORLOGERE SUISSE [CH]  
• [A] FR 536251 A 19220429

Cited by  
EP3460588A1; CH714178A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2490083 A1 20120822; EP 2490083 B1 20131016**; CN 102645885 A 20120822; CN 102645885 B 20140917; EP 2597537 A1 20130529; EP 2597537 B1 20140416; HK 1174980 A1 20130621; JP 2012173290 A 20120910; JP 5559826 B2 20140723; KR 101337779 B1 20131206; KR 20120094861 A 20120827; RU 2012105511 A 20130827; RU 2624432 C2 20170703; US 2012213037 A1 20120823; US 8811125 B2 20140819

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**EP 11154842 A 20110217**; CN 201210037716 A 20120217; EP 13155464 A 20110217; HK 13101752 A 20130207; JP 2012032526 A 20120217; KR 20120015805 A 20120216; RU 2012105511 A 20120216; US 201213396897 A 20120215